

## Foundry Operations

1. **Melting operations:**

Fill out this section for each furnace.

**Type of furnace and year:**

Indicate whether the furnace is a blast furnace, electric arc furnace, cupola furnace, electric induction furnace or other. Also, include the year when the furnace was put into service.

**Type of metal melted:**

Fill in the metal that is being melted such as pig iron, iron, steel, and etc.

**Maximum melt rate of furnace (tons of metallics/hr):**

Indicate the maximum melting rate of the furnace in terms of the units specified.

**Charging system capacity tons of metallics/hr:**

The maximum amount of metallics that the charging system can add to the furnace.

2. **Pounds/charge of each component in charge:**

**Component in the charge:**

What materials are being added to the charge in pounds per charge.

3. **Cupola information:**

**Maximum combustion fan blast air volume (acfm):**

Indicate the maximum air volume in actual cubic feet per minute.

**Maximum blast air temperature (degrees fahrenheit):**

Indicate the temperature at which the maximum blast occurs.

**Cupola inside diameter (inches):**

Indicate the inside diameter of the cupola in inches.

4. **Control Equipment Information Operations controlled:**

Check which operation is being controlled.

**Type of control:**

Specify the control equipment.

**Code on the plan:**

This should be consistent with the submitted facility/location plan or Operations Flow Diagram.

**Emission control efficiency:**

Indicate the efficiency of the control equipment.

**Stack Diameter (inches):**

This is the inside diameter.

**Stack Height (feet):**

Height of the stack is above ground.

**Gas flow rate (acfm):**

Indicate the actual gas flow rate.

**Page 2 of 2****1. Control Device:****Operations controlled:**

Check which operation is being controlled.

**Type of control:**

Specify the control equipment.

**Code on the plan:**

This should be consistent with the submitted facility/location plan or Operations Flow Diagram.

**Emission control efficiency:**

Indicate the efficiency of the control equipment.

**Stack Height (feet):**

Height of the stack is above ground.

**Stack Diameter (inches):**

This is the inside diameter.

**Gas flow rate (acfm):**

Indicate the actual gas flow rate.

**2. Sand handled:****Average tons of sand handled per ton of metallics charge:**

Rate of sand handled per metallic charge.

**Maximum tons per hour of sand which can be handled:**

Maximum rate of sand handled in tons/hour.

**Type of binders and usage rate per tons of sand:**

Indicate the type of binder used.

Indicate the rate binder used, provide the units per tons of sand.